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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/531,958	03/21/2000	Tadahiro Ohmi	862.C1870 6875		
5514	7590 02/14/2002				
FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA NEW YORK, NY 10112			EXAMINER		
			RODRIGUEZ, ARMANDO		
			ART UNIT	PAPER NUMBER	
·			. 2828		
			DATE MAILED: 02/14/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

•		Application	n No.	Applicant(s)			
t ^{er}		09/531,958	3	OHMI ET AL.			
Office Action Summary		Examiner		Art Unit			
		Armando F		2828			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHC THE M - Extens after S - If the p - If NO p - Failure - Any re	RTENED STATUTORY PERIOD FOR REPL AILING DATE OF THIS COMMUNICATION. ions of time may be available under the provisions of 37 CFR 1. IX (6) MONTHS from the mailing date of this communication. eriod for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory period to reply within the set or extended period for reply will, by statut ply received by the Office later than three months after the mailing patent term adjustment. See 37 CFR 1.704(b).	136(a). In no ever bly within the statut I will apply and will te, cause the applic	nt, however, may a reply be tile ory minimum of thirty (30) day expire SIX (6) MONTHS from cation to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).	-		
1)	Responsive to communication(s) filed on	•					
2a) <u></u> □	This action is FINAL . 2b)⊠ T	action is FINAL . 2b) This action is non-final.					
3)□	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition	on of Claims						
4)⊠ Claim(s) <u>1-18</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>8,11,13 and 15</u> is/are allowed.							
6)⊠ (6)⊠ Claim(s) <u>1,10,12,14 and 16-18</u> is/are rejected.						
7)🖂	7)⊠ Claim(s) <u>2-5 and 7</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.							
Application							
, —	he specification is objected to by the Examin						
10)∐ T	he drawing(s) filed on 21 March 2000 is/are:						
44	Applicant may not request that any objection to t						
11)[_] [he proposed drawing correction filed on			oved by the Examiner.			
12\□ T	If approved, corrected drawings are required in re		ice action.				
12) The oath or declaration is objected to by the Examiner.							
_	nder 35 U.S.C. §§ 119 and 120	an priority un	dor 35 II S C & 110/	a) (d) or (f)			
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
,-	a) All b) Some * c) None of:						
	 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 						
	Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
_ •	☐ The translation of the foreign language packnowledgment is made of a claim for domes			0 and/or 121. Paul lp	7		
Attachment(s) Primary Examiner							
2) D Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	·		ry (PTO-413) Paper No(s) Patent Application (PTO-152)			

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DETAILED ACTION

Drawings

Figure 9 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 6 and 9 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is unclear as to "shifted to that" in the claim language intends to convey.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily

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published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1,10,12,14,16-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Ohmi et al (PN 6,331,994).

In figure 18C and 20A Ohmi et al illustrates a gap or slit formed along a lengthwise direction, where electromagnetic waves generate plasma light, as described in column 16 lines 5-23. As disclosed throughout the reference inert gas is supplied orthogonal to the direction of light generation. Figure 26 illustrates the exposure apparatus irradiating the reticle and having a wafer, as described in column 19.

Allowable Subject Matter

Claims 2-5 and 7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: None of the prior arts alone or in combination discloses the claimed laser system having the shielding structure as in dependent claim 2 or having the chambers as disclosed in dependent claim 5 or having the opening and gap as disclosed in dependent claim 7.

Claims 8,11,13,15 are allowed.

The following is an examiner's statement of reasons for allowance: None of the prior arts alone or in combination discloses the claimed laser system having the structural combination of independent claim 8, where a waveguide has a pair of

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chambers, which are internally supplied with gas, the waveguide having a slit-shape

gap in a lengthwise direction allowing the electromagnetic wave to propagate from one

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chamber to the other and causing plasma light over the entire area along the lengthwise

direction of the gap.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Armando Rodriguez whose telephone number is (703) 308-6218. The examiner can

normally be reached on 10-hour day / M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul

Ip can be reached on (703) 308-3098. The fax phone numbers for the organization where this application

or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7721 for After

Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be

directed to the receptionist whose telephone number is (703) 308-4881.

do Rodriguez

Examiner

Art Unit 2828

Supervisor

Art Unit 2828

AR/PI

February 10, 2002